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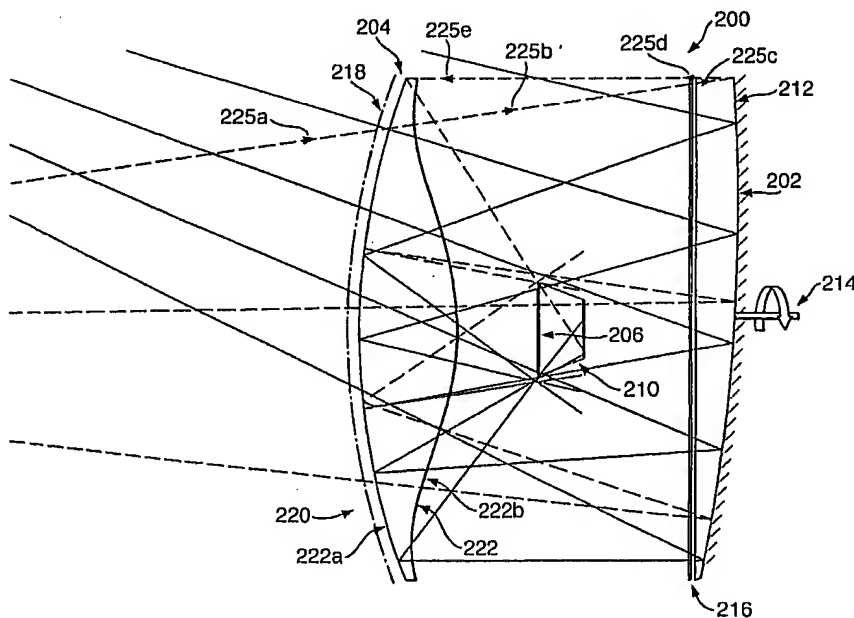
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[Continued on next page]

(54) Title: **RADIATION DETECTION APPARATUS**



(57) Abstract: A radiation detection apparatus (200) comprises a radiation detector (210) and a lens arrangement (218). The lens arrangement (218) comprises a polarising element (220) and an optical corrector (222). The optical corrector (222) is preferably located between the polarising element (220) and the radiation detector (210) and has at least one surface designed to correct optical aberrations present in the lens arrangement. The optical corrector may be arranged to provide a mechanical support to the polarising element. The optical corrector (222) is arranged to increase a diffraction limited acceptance angle of the apparatus (200).

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